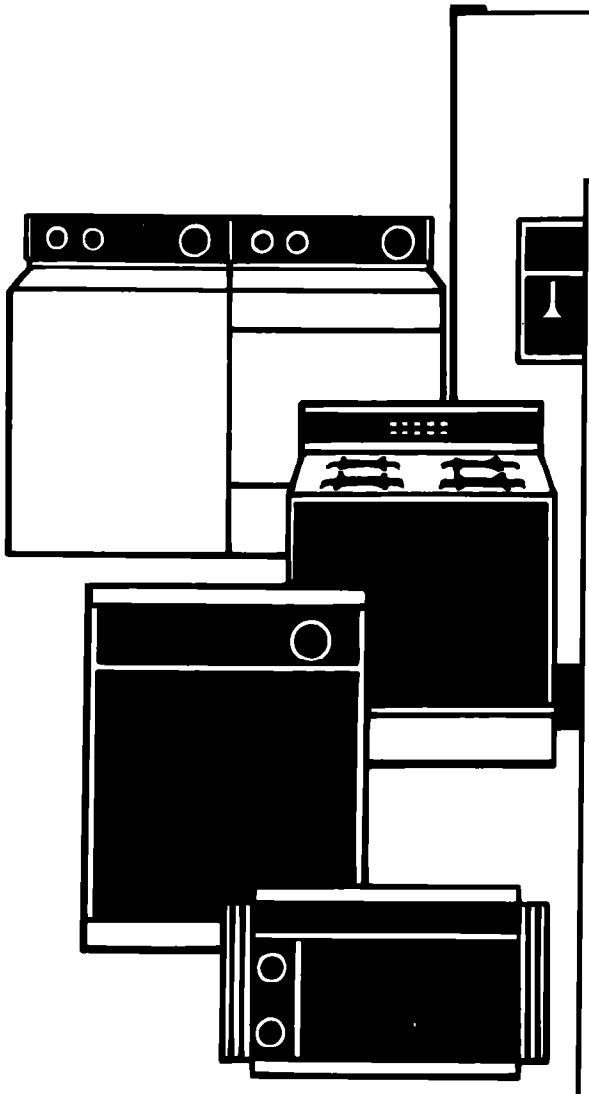
ROPER®

Home Appliances

Use And Care GUIDE



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1-800-44-ROPER

Call us with questions or comments.

SELF-CLEANING ELECTRIC RANGE

7/93

MODEL FES310Y

A Note To You

Thank you for buying a Roper appliance.

You have purchased a quality, *world-class* home appliance. Years of engineering experience have gone into its manufacturing. To ensure that you will enjoy many years of trouble-free operation, we have developed this Use and Care Guide. It is full of valuable information on how to operate and maintain your appliance properly and safely. Please read it carefully. Also, please complete and mail the Ownership Registration Card provided with your appliance. This will help us notify you about any new information on your appliance.

Your safety is important to us.

This guide contains safety symbols and statements. Please pay special attention to these symbols and follow any instructions given. Here is a brief explanation of the use of each symbol.

⚠WARNING

This symbol will help alert you to such dangers as personal injury, burns, fire and electrical shock.

⚠CAUTION

This symbol will help you avoid actions which could cause product damage (scratches, dents, etc.) and damage to your personal property.

Our toll-free number, 1-800-44-ROPER (1-800-447-6737), is available 24 hours a day.

If you ever have a question concerning your appliance's operation, or if you need service, first see "If You Need Assistance Or Service" on page 29. If you need further help, feel free to call us. When calling, you will need to know your appliance's complete model number and serial number. You can find this information on the model and serial number plate (see diagram on page 6). For your convenience, we have included a handy place below for you to record these numbers, the purchase date from the sales slip and your dealer's name and telephone number. Keep this book and the sales slip together in a safe place for future reference.

Model Number _____

Serial Number _____

Purchase Date _____

Dealer Name _____

Dealer Phone _____

Important Safety Instructions

⚠WARNING To reduce the risk of fire, electrical shock, injury to persons, or damage when using the range, follow basic precautions, including the following:

General

- Read all instructions before using the range.
- Install or locate the range only in accordance with the provided Installation Instructions. The range must be installed by a qualified installer. The range must must be properly connected to electrical supply and grounded.

- WARNING: To reduce the risk of tipping of the appliance, the appliance must be secured by a properly installed anti-tip bracket. To check if the bracket is installed properly, see "The anti-tip bracket" on page 20.
- CAUTION: Do not store things children might want above the range. Children could be burned or injured while climbing on it.
- Do not leave children alone or unattended in area where the range is in use. They should never be allowed to sit or stand on any part of the range. They could be burned or injured.
- Do not operate the range if it is damaged or not working properly.
- Do not use the range for warming or heating the room. Persons could be burned or injured, or a fire could start.
- Use the range only for its intended use as described in this manual.

- Do not touch surface units, areas near surface units, heating elements or interior surfaces or oven. Surface units and heating elements may be hot even though they are dark in color. Areas near surface units and interior surfaces of an oven become hot enough to cause burns. During and after use, do not touch, or let clothing or other flammable materials contact surface units, areas near units, heating elements or interior surfaces of oven until they have had sufficient time to cool. Other surfaces of the range may become hot enough to cause burns; such as, the oven vent opening, the surface near the vent opening, the cooktop, and the oven door.

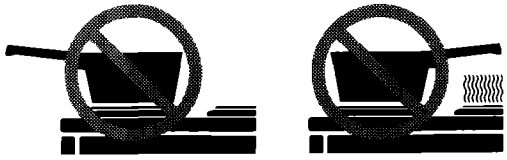
- Do not wear loose or hanging garments when using the range. They could ignite if they touch a hot surface unit and you could be burned.

continued on next page

- Use only dry potholders. Moist or damp potholders on hot surfaces may result in burns from steam. Do not let potholder touch hot heating elements. Do not use a towel or bulky cloth for a potholder. It could catch on fire.
- Keep range vents unobstructed.
- Do not heat unopened containers. They could explode. The hot contents could cause burns and container particles could cause injury.
- Do not store flammable materials on or near the range. The fumes can create an explosion and/or fire hazard.

When using the cooktop

- Make sure the reflector bowls are in place during cooking. Cooking without reflector bowls may subject the wiring and components underneath them to damage.
- Do not line reflector bowls with aluminum foil or other liners. Improper installation of these liners may result in a risk of electric shock or fire.
- Select a pan with a flat bottom that is about the same size as the surface unit. If pan is smaller than the surface unit, some of the heating element will be exposed and may result in the igniting of clothing or potholders. Correct pan size also improves cooking efficiency.
- Check to be sure glass cooking utensils are safe for use on the range. Only certain types of glass, glass-ceramic, ceramic, earthenware or other glazed utensils are suitable for cooktops without breaking due to the sudden change in temperature.
- Never leave surface units unattended at high heat settings. A boilover could result and cause smoking and greasy spillovers that may ignite.



- Turn pan handles inward, but not over other surface units. This will help reduce the chance of burns, igniting of flammable materials, and spills due to bumping of the pan.

When using the oven

- Always position oven rack(s) in desired location while oven is cool. If a rack must be removed while oven is hot, do not let potholder contact hot heating element in oven.
- Use care when opening oven door. Let hot air or steam escape before removing or replacing food.

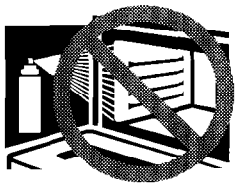
Grease

- Grease is flammable. Do not allow grease to collect around cooktop or in vents. Wipe spill-overs immediately.

- Do not use water on grease fires. Never pick up a flaming pan. Smother flaming pan on range by covering with a well-fitted lid, cookie sheet or flat tray. Flaming grease outside of pan can be extinguished with baking soda or, if available, a multipurpose dry chemical or foam-type extinguisher.

Care and cleaning

- Small amounts of formaldehyde and carbon monoxide are given off in the Self-Cleaning cycle from fiberglass insulation and food decomposition. Significant exposure to these substances can cause cancer or reproductive harm. Exposure can be minimized by venting with a hood or open window and wiping out excess food spills prior to self-cleaning.

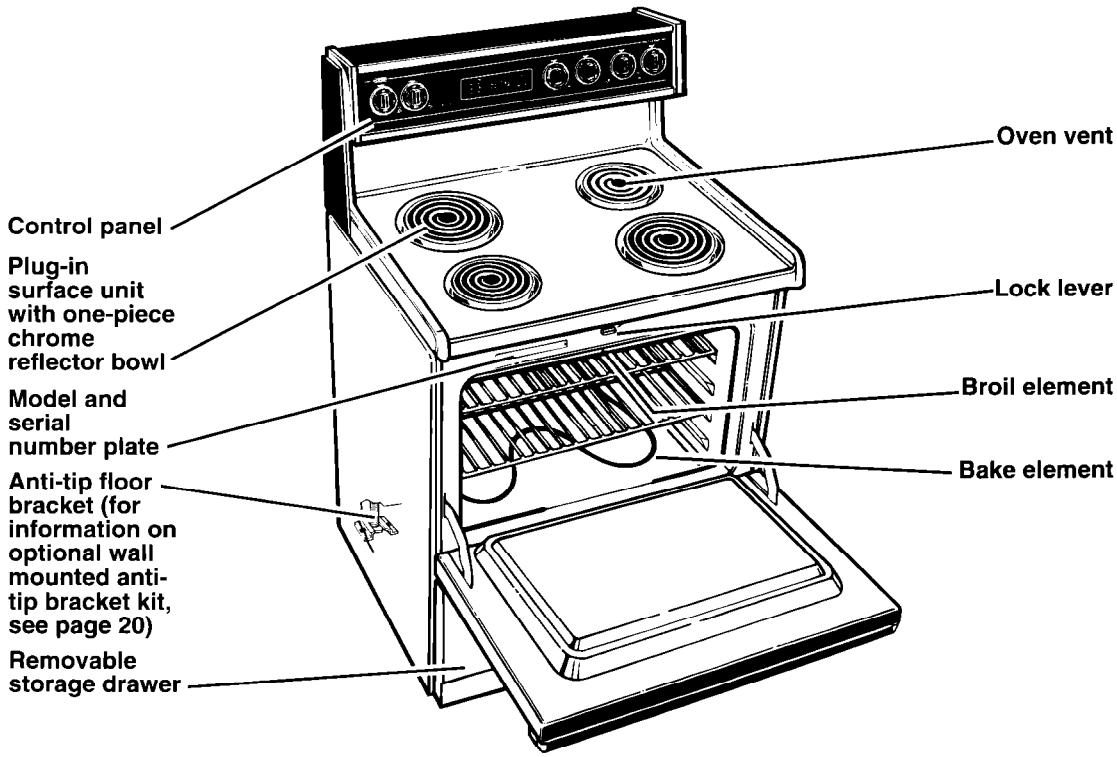


- Do not use oven cleaners. No commercial oven cleaner or oven liner protective coating of any kind should be used in or around any part of the oven.
- Before self-cleaning the oven, remove broiler pan, broiler grid, oven racks and other utensils. Do not use your oven to clean miscellaneous parts unless you are instructed to do so in this Use and Care Guide.
- Do not soak removable heating elements in water. The element will be damaged and shock or fire could result.
- Do not clean door heat seal. It is essential for a good seal. Care should be taken not to rub, damage or move the seal. Clean only parts recommended in this Use and Care Guide.
- Do not repair or replace any part of the range unless specifically recommended in this manual. All other servicing should be referred to a qualified technician.
- Disconnect the electrical supply before servicing the range.

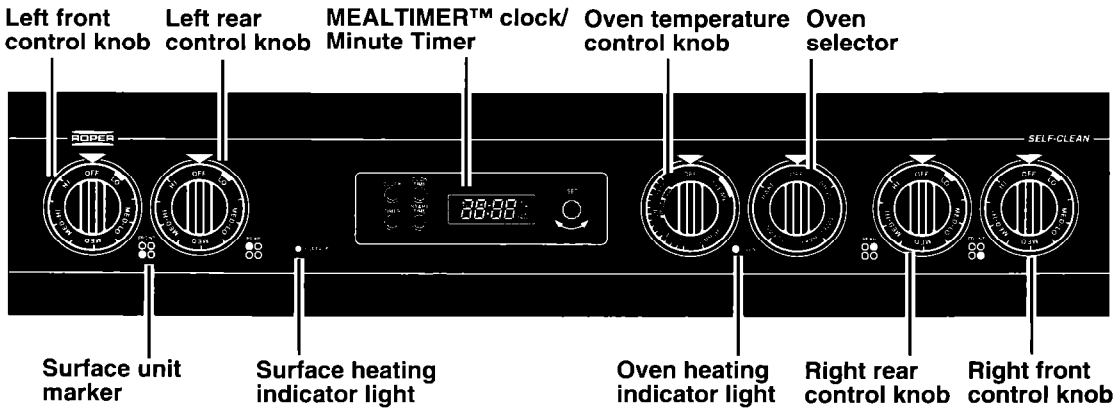
– SAVE THESE INSTRUCTIONS –

Parts And Features

This section contains captioned illustrations of your range. Use them to become familiar with the location and appearance of all parts and features.


Control panel
Plug-in surface unit with one-piece chrome reflector bowl
Model and serial number plate
Anti-tip floor bracket (for information on optional wall mounted anti-tip bracket kit, see page 20)
Removable storage drawer
Oven vent
Lock lever
Broil element
Bake element

Control panel



Using Your Range

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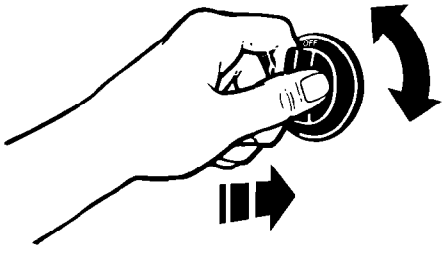
To obtain the best cooking results possible, you must operate your range properly. This section gives you important information for efficient and safe use of your range.

Using the surface units



Push in control knobs before turning them to a setting. You can set them anywhere between HI and OFF.

Surface unit markers

The solid dot in the surface unit marker shows which surface unit is turned on by that knob.

Surface heating indicator light

The SURFACE HEATING Indicator Light on the control panel will glow when a surface unit is turned on.

⚠WARNING

Burn and Fire Hazard

Be sure all control knobs are turned to OFF and all indicator lights are OFF when you are not cooking.

Someone could be burned or a fire could start if a surface unit is accidentally left ON.

Until you get used to the settings, use the following as a guide. For best results, start cooking at the high setting; then turn the control knob down to continue cooking.

SETTING	RECOMMENDED USE
HI	• To start foods cooking. • To bring liquids to a boil.
MED-HI	• To hold a rapid boil. • To fry chicken or pancakes.
MED	• For gravy, pudding and icing. • To cook large amounts of vegetables.
MED-LO	• To keep food cooking after starting it on a higher setting.
LO	• To keep food warm until ready to serve.

Cookware tips

- **Select a pan** that is about the same size as the surface unit.
- **NOTE: For best results and greater energy efficiency,** use only flat-bottomed cookware that makes good contact with the surface units. Cookware with rounded, warped, ribbed (such as some porcelain enamelware) or dented bottoms could cause severe overheating, which damages the cookware and/or surface unit.

  You can, however, use the newer cookware available with slightly indented bottoms or very small expansion channels. This cookware is specially designed to provide the good contact needed for best cooking results.

  Also, woks, canners and teakettles with flat bottoms suitable for use on your cooktop are now available in most stores that sell housewares.
- **The pan** should have straight sides and a tight-fitting lid.
- **Choose medium to heavy gauge** (thickness) pans that are fairly lightweight.
- **The pan material** (metal or glass) affects how fast heat transfers from the surface unit through the pan material and how evenly heat spreads over the pan bottom. Choose pans that provide the best cooking results.
- **Handles** should be made of sturdy, heat-resistant material and be securely attached to the pan.

⚠CAUTION

Product Damage Hazard

- If a surface unit stays red for a long time, the bottom of the pan is not flat enough or is too small for the surface unit. Prolonged usage of incorrect utensils for long periods of time could result in damage to the surface unit, cooktop, wiring and surrounding areas. To prevent damage, use correct utensils, start cooking on HI and turn control down to continue cooking.
- Do not leave an empty utensil, or one which has boiled dry, on a hot surface unit. The utensil could overheat and could damage the utensil or surface unit.

Home canning information

To protect your range:

- **Use flat-bottomed canners/pans** for best results.
- **Use the largest surface unit** for best results. Also, use a canner/pan which can be centered over the surface unit and which does not extend more than one inch outside surface unit area. Large diameter canners/pans, if not properly centered, trap heat and can cause damage to the cooktop.
- **Do not place canner** on two surface units at the same time. Too much heat will build up and will damage the cooktop.
- **Start with hot water.** This reduces the time the control is set on high. Reduce heat setting to lowest position needed to keep water boiling.
- **Keep reflector bowls clean** for best heat reflection.
- To prolong the life of the elements:
  - **Prepare small batches** at a time.
  - **Do not use elements** for canning all day.

Optional canning kit
The large diameter of most water-bath or pressure canners combined with high heat settings for long periods of time can shorten the life of regular surface units and cause damage to the cooktop.

If you plan to use the cooktop for canning, we recommend the installation of a Canning Kit. Order the kit (Part No. 242905) from your Roper dealer or authorized Roper service company.

Positioning racks and pans

For baking/roasting with one rack, place the rack so the top of the food will be centered in the oven.

Rack placement for specific foods:

FOOD	RACK POSITION
Frozen pies, large roasts, turkeys	Lowest level or 2nd level from bottom
Angel and bundt cakes, most quick breads, yeast breads, casseroles, meats	2nd level from bottom
Cookies, biscuits, muffins, cakes, nonfrozen pies	2nd or 3rd level from bottom

When baking on two racks, arrange racks on bottom and third level from bottom.

NOTE: For recommended rack placement when broiling, see "Broiling rack position chart" on page 15.

⚠WARNING

Personal Injury Hazard

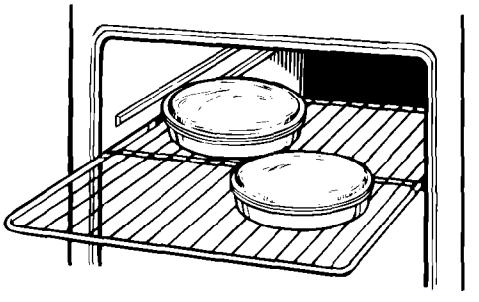
- Always position oven rack(s) in desired location before turning oven on. Be sure the rack(s) is level.
- If rack(s) must be moved while oven is hot, use potholders or oven mitts to protect hands.

Failure to follow the above precautions could result in personal injury.

For best air circulation

The hot air must circulate around the pans in the oven for even heat to reach all parts of the oven. This results in better baking.

- **Place** the pans so that one is not directly over the other.
- **For best results, allow** 1½ to 2 inches (4-5 cm) of space around each pan and between pans and oven walls. There must be a minimum space of 1 inch (2.5 cm).
- **Use** only one cookie sheet in the oven at one time.



Use the following as a guide to determine where to place the pans:

One pan
Place in the center of the oven rack.

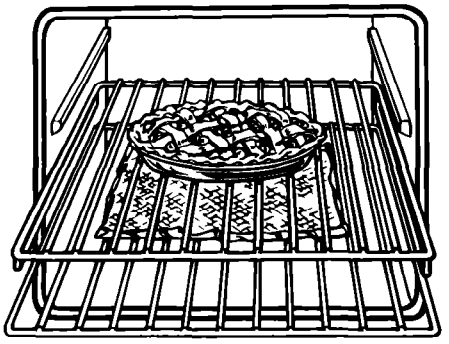
Two pans
Place in opposite corners of the oven rack.

Three or four pans
Place in opposite corners on each oven rack. Stagger pans so no pan is directly over another.

Using aluminum foil for baking

Use aluminum foil to catch spillovers from pies or casseroles.

- **Place** the foil on the oven rack below the rack with the food. Turn up foil edges and make sure foil is about 1 inch (2.5 cm) larger all around than the dish holding the food.
- **Do not cover** the entire rack with aluminum foil. It will reduce air circulation and cause poor cooking results.
- **Do not line** oven bottom with foil or other liners. Poor baking will result.



⚠WARNING

Electrical Shock and Fire Hazard

Do not allow foil to touch the heating elements.

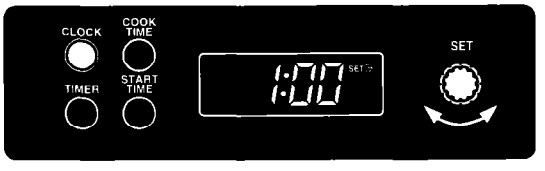
Failure to follow this precaution could result in electrical shock or fire hazard and damage to the elements.

Setting the electronic clock

When you first plug in the range, or if your electricity was off for a while, all indicators will come on and the display will show "88:88". The display will then change to "--:--". SET and the Clock Indicator will show in the display.

1. **Push** the Clock button. "12:00" will show in the display.

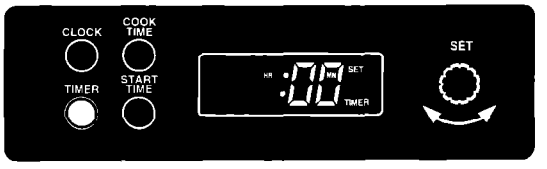
2. **Turn** the Set Knob until the correct time shows in the display.
3. **Push** the Clock button to start clock operation.



Using the electronic Timer

The Timer does not start or stop the oven. It works like a kitchen timer. Set it in minutes up to 24 hours.

1. **Push** the Timer button. SET, TIMER, HR and MN will come on and the display will show ":00".



2. **Turn** the Set Knob until the desired time shows in the display. The timer will begin counting down two seconds after the time is set. You will hear two tones when one minute is remaining on the timer. When the time is up, you will hear three tones. After the three tones, the display will return to the time of day and TIMER will flash. You will hear two tones every 10 seconds until you cancel the Timer.

3. **To cancel Timer after countdown is over, push** the Clock button and the display will return to the time of day. TIMER will stop showing.

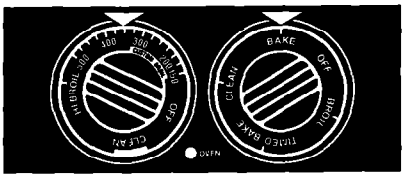
To cancel Timer before countdown is over:

Push the Timer button. The display will show SET, TIMER, HR, MN and ":00" for a few seconds. The time of day will then be displayed.

Baking/roasting

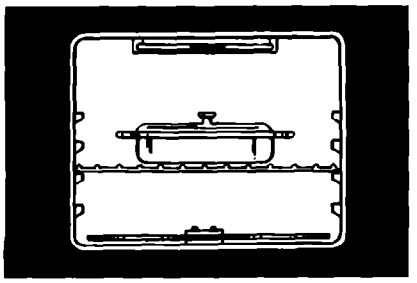
1. **Position** the rack(s) properly **before** turning on the oven. **To change rack position, lift** rack at front and **pull out.** For further information, **see** "Positioning racks and pans" on page 9.
2. **Set** the Oven Selector to BAKE.
3. **Set** the Oven Temperature Control Knob to the baking/roasting temperature you want. The OVEN HEATING Indicator Light will come on. The oven **is** preheated when the OVEN HEATING Indicator Light first goes off.

   NOTE: Do not preheat oven when roasting or cooking items such **as** casseroles.

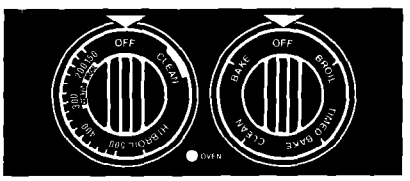


4. **Put** food in the oven. During baking/ roasting, the elements will turn on and off to maintain the temperature setting. The OVEN HEATING Indicator Light will turn on and off with the elements.

   NOTE: The top element helps heat during baking/roasting, but does not turn red.



5. **When baking/roasting is done, turn both** the Oven Selector and the Oven Temperature Control Knob to OFF. The OVEN HEATING Indicator Light will go off.

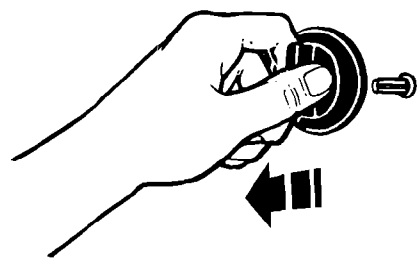


Adjusting the oven temperature control

Oven temperature controls will gradually shift after years of use. So, even though your new oven is properly adjusted to provide accurate temperatures, it may cook faster or slower than your old oven.

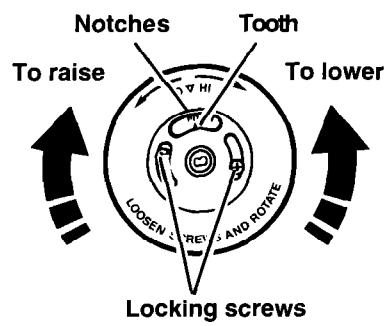
If, after using the oven for a period of time, you are not satisfied with the temperature settings, you can adjust them by following these steps:

1. **Turn** the Oven Temperature Control Knob to the off position. **Pull** knob straight off and **flip** it over.



2. **Loosen** the locking screws inside the control knob. **Note the position of the notches.**
3. **To lower the temperature, hold** knob handle firmly and **move** the tooth a notch counterclockwise. Each notch equals about 10°F (5°C).
4. **To raise the temperature, hold** knob handle firmly and **move** the tooth a notch clockwise. Each notch equals about 10°F (5°C).

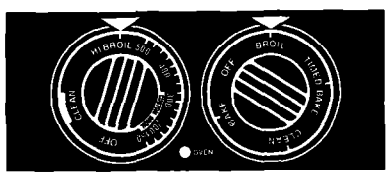
Tighten the locking screws and replace the control knob.



Broiling

1. **Position** the rack properly **before** turning on the oven. **Position** rack so that the surface of the food is at least 3 inches (7.4 cm) away from the broil element. **See** "Broiling rack position chart" on page 15.
2. **Put** the broiler pan and food on the rack.
3. **Close** the door to the Broil Stop position (open about 4 inches [10.2 cm]). The door will stay open by itself.
4. **Set** the Oven Selector and Oven Temperature Control Knob to BROIL. The OVEN HEATING Indicator Light will come on.

   NOTE: Do not preheat oven when broiling.



5. **When broiling is done, turn both** the Oven Selector and Oven Temperature Control Knob to OFF. The OVEN HEATING Indicator Light will go off.

Custom broil

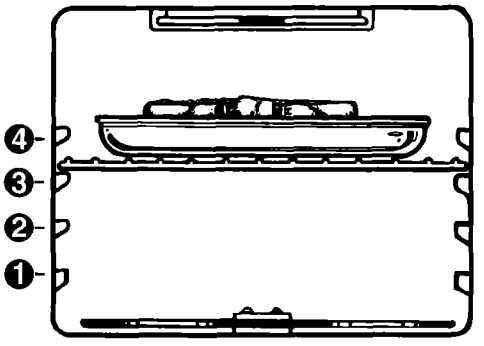
- **If food is cooking too fast,** turn the Oven Temperature Control Knob **counterclockwise** until the OVEN HEATING Indicator Light goes off.
- **If you want the food to broil slower from the start,** set the Oven Temperature Control Knob between 170°F and 325°F (77°C and 163°C). These temperature settings allow the broil heating element to cycle and to slow cooking. The lower the temperature, the slower the cooking.
- **Fish and chicken** are some foods that may cook better if you use lower broiling temperatures.

The Oven Selector must be on BROIL for all broiling temperatures.

NOTE: Leave the oven door partly open whenever using the oven to broil. This allows the oven to maintain proper temperatures.

Broiling rack position chart

RACK POSITION FROM BOTTOM	TYPE OF FOOD/ DONENESS
4	Hamburger patties and thin steaks, ½" thick or less
3	Quickly searing food, rare and medium steaks, medium patties, ham slices, fish steaks, frankfurters
2	Well-done steaks and patties, lamb chops, split chicken, pork steaks and chops, whole fish



Broiling tips

- **Use** the broiler pan and grid for broiling. They are designed to drain excess liquid and grease away from the cooking surface to help prevent spatter, smoke or fire.
- **Refer** to a broiling chart in a reliable cookbook for correct broiling times.
- **After broiling, remove** the broiler pan from the oven when you remove the food. Drippings will bake on the pan if you leave it in the heated oven.

⚠WARNING

Fire Hazard

- Place meat the correct distance from the element. Meat placed too close to the element could spatter, smoke, burn or catch fire during broiling.
- To ensure adequate grease drainage, do not use cookie sheets or similar pans for broiling. Also, covering the broiler grid with foil is not recommended. Poor drainage of grease could result in fire. If foil is used, cut slits in foil to line up with all openings in broiler grid. Grease can then drain away and cool in pan.

Energy saving tips

Although the energy used for cooking is usually a very small percentage of the total energy used in the home, cooking energy can be used efficiently. Here are some tips to help you save energy when using your cooking product:

- **Use** pans with flat bottoms, straight sides and tight-fitting lids.
- **Match** the pan to the surface unit size.
- **Cook** with a minimum of liquid or fat to help shorten cooking time.
- **Preheat** pans only when recommended and for the shortest time possible.
- **Start** food on higher heat settings, then set surface unit control on low or off to finish cooking. Use retained heat for cooking when possible.
- **Use** the more efficient surface units instead of the oven when possible.
- **Turn on** the surface unit only after placing filled pan on the unit.
- **"Oven peeking"** may cause heat loss, longer cooking times and unsatisfactory baking results. Rely on your timer to keep track of the cooking time.
- **Bake** cakes, pies or cookies when oven is warm. Best time is after a meal has been cooked in it.
- **Preheat** the oven no longer than necessary.
- **Plan** your meals for the most efficient use of the range. When using the oven to cook one food, try to cook the rest of the meal in it also.
- **Do not preheat** when broiling, roasting or cooking items such as casseroles.
- **Keep** reflector bowls clean for best heat reflection.

Using the MEALTIMER™ clock

The MEALTIMER clock is designed to turn the oven on and off at times you set ... even when you are not around.

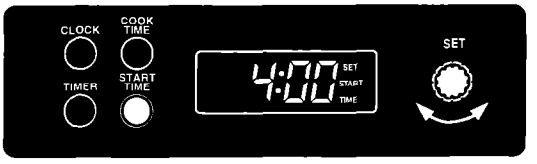
Delayed time baking/roasting is ideal for foods which do not require a preheated oven, such as meats and casseroles. **Do not use delayed time cooking for cakes, cookies, etc. ... undercooking will result.**

Before using the MEALTIMER clock, make sure the clock is set to the correct time of day. (See "Setting the electronic clock" on page 10.)

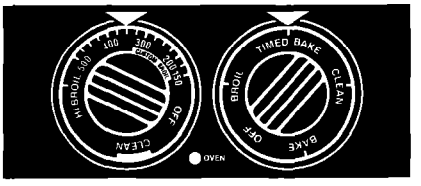
To delay start and stop automatically:

1. **Position** the oven rack(s) properly and **place** the food in the oven.
2. **Push** the Cook Time button. Then **turn** the Set Knob to set the cooking time you want (up to 11 hours, 50 minutes). After five seconds, only COOK and the cooking time will show on the display.

3. **Push** the Start Time button. Then **turn** the Set Knob to set the start time you want (up to 11 hours, 59 minutes from the current time of day). In example shown, a two-hour cooking time and a 4 o'clock start time would cause the oven to turn off at 6 o'clock. After five seconds, only DELAY and the time of day will show on the display.



4. **Set** the Oven Selector to TIMED BAKE.
5. **Set** the Oven Temperature Control Knob to the baking/roasting temperature you want. The oven will now start and stop automatically. The OVEN HEATING and ON Indicator Lights will come on when the start time is reached. Only COOK and the cooking time will show on the display.



6. **After baking/roasting is done,** you will hear three tones, the display will return to the time of day, and COOK will flash. You will hear two tones every 10 seconds until you cancel the MEALTIMER clock. **To cancel, push** any button and COOK will stop showing. **Turn** both the Oven Selector and Oven Temperature Control Knob to OFF.

NOTE: If the Timer is on, the display will return to the countdown. COOK will flash and TIMER will come on. Push any button to make COOK stop showing.

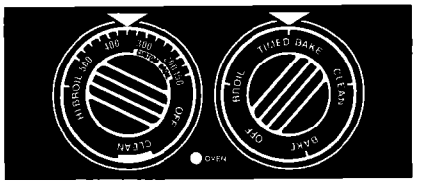
To cancel the setting after oven has started:
Push the Cook Time button twice.

To cancel the setting before oven has started:
Push the Cook Time button twice. Then **push** the Start Time button twice.

To start baking/roasting now and stop automatically:

1. **Position** the oven rack(s) properly and **place** the food in the oven.
2. **Push** the Cook Time button. Then **turn** the Set Knob to set the cooking time you want (up to 11 hours, 50 minutes). After five seconds, only COOK and the cooking time will show on the display.
3. **Set** the Oven Selector to TIMED BAKE.
4. **Set** the Oven Temperature Control Knob to the baking/roasting temperature you want.
5. **After baking/roasting is done,** you will hear three tones, the display will return to the time of day, and COOK will flash. You will hear two tones every 10 seconds until you cancel the MEALTIMER™ clock. **To cancel, push** any button and COOK will stop showing. **Turn** both the Oven Selector and Oven Temperature Control Knob to OFF.

   NOTE: If the Timer is on, the display will return to the countdown. COOK will flash and TIMER will come on. Push any button to make COOK stop showing.



To cancel the setting after oven has started:
Push the Cook Time button twice.

⚠WARNING

To avoid sickness and food waste when using the MEALTIMER™ control:

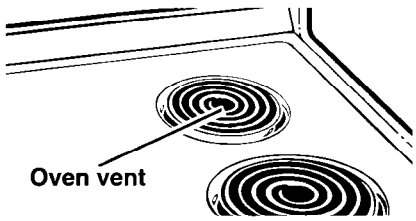
- Do not let most UNFROZEN food stand for more than two hours before cooking starts.
- Do not allow food to remain in oven for more than two hours after the end of cooking cycle.

NOTE: Do not use foods that will spoil while waiting for cooking to start. Such foods are: dishes with milk or eggs, cream soups, and cooked meats or fish. Also, foods containing baking powder or yeast will not rise properly when cooked using delay start.

The oven vent

Hot air and moisture escape from the oven through a vent under the right rear surface unit. You can cook on the unit or keep food warm on it while the oven is on. The vent is needed for air circulation. **Do not block the vent.** Poor baking/roasting can result.

NOTE: Plastic utensils left over the vent can melt.



⚠WARNING

Burn and Fire Hazard

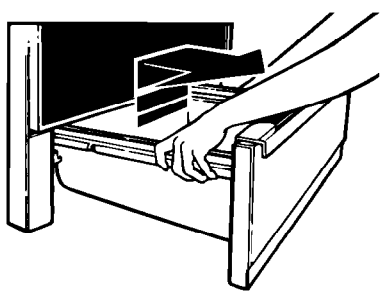
- If you leave a utensil on the right rear surface unit, use potholders when moving it. Pan handles could become hot enough to burn.
- Keep flammable materials away from oven vent. Failure to do so could result in burns or a fire.

The storage drawer

You can remove the storage drawer to make it easier to clean under the range and to check for installation of the anti-tip floor bracket (if you have one). **Use care when handling the drawer.**

Removing the storage drawer:

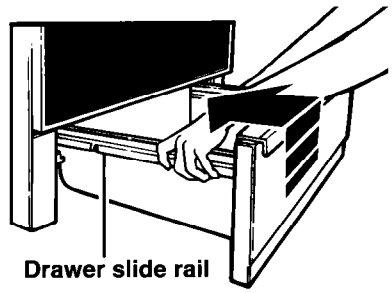
1. **Empty** drawer of any pots and pans before removing. **Pull** drawer straight out to the first stop. **Lift** front and **pull out** to the second stop.
2. **Lift** back slightly and **slide** drawer all the way out.



continued on next page

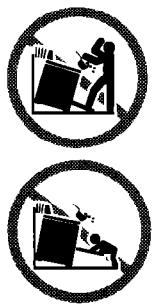
Replacing the storage drawer:

1. **Fit** ends of drawer slide rails into the drawer guides on both sides of opening.
2. **Lift** drawer front and **push in** until metal stops on drawer slide rails clear white stops on drawer guides. **Lift** drawer front again to clear second stop and **slide** drawer closed.



The anti-tip bracket

The range will not tip during normal use. However, tipping can occur if you apply too much force or weight to the open door without the anti-tip bracket properly secured.



⚠WARNING

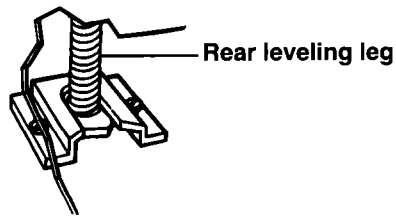
Personal Injury Hazard

- To reduce risk of range tipping over, secure range with a properly installed anti-tip bracket supplied with range or an optional wall-mounted anti-tip bracket kit.
- If range is moved for cleaning or service, check that anti-tip device is engaged before using range.

Failure to follow the above precautions could result in personal injury.

To verify the anti-tip bracket is engaged (if you have a floor bracket):

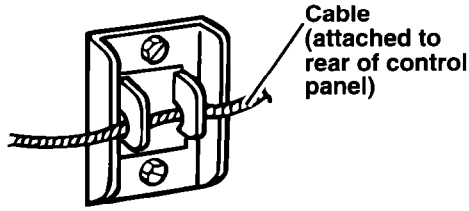
- **Remove** the storage drawer. (See page 19.)
- **Look** to see if the anti-tip bracket is attached to floor with screws.
- **Make sure** one rear leveling leg is positioned under the anti-tip bracket.
- **See** Installation Instructions for further details.



Floor bracket

To verify the anti-tip bracket is engaged (if you have a wall bracket):

- **Look** to see if the anti-tip bracket is attached with screws to the wall behind the control panel.
- **Make sure** the cable on the back of the range is secured by the two hooks on the bracket.
- **Cable** must be unhooked from wall bracket to move range for cleaning or service. Reconnect cable before using range.
- **See** Installation Instructions for further details.



Wall bracket

Using The Self-Cleaning Cycle

In This Section

	Page		Page
How the cycle works	21	Setting the controls	22
Before you start	21	Special tips	24

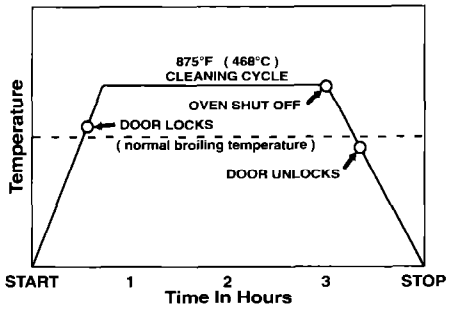
The Self-Cleaning cycle saves you from the toil and mess that often come with hand-cleaning the oven interior. Like with the other functions of your range, you operate the Self-Cleaning cycle with the easy-to-use controls. Please review the instructions in this section to keep your oven spotless.

How the cycle works

The Self-Cleaning cycle uses very high heat to burn away soil and grease. During the cycle, the oven gets much hotter than it does for normal baking or broiling. This high heat breaks up the soil or grease and burns it away.

You can adjust the cycle time to the amount of soil in your oven. You can set the cycle time anywhere between 2 and 4 hours. (See "Setting the controls" on page 22.)

The graph at the right is representative of a normal, 3-hour Self-Cleaning cycle. Note that the heating stops when the 3-hour setting is up, but it takes longer for the oven to cool enough to unlock.

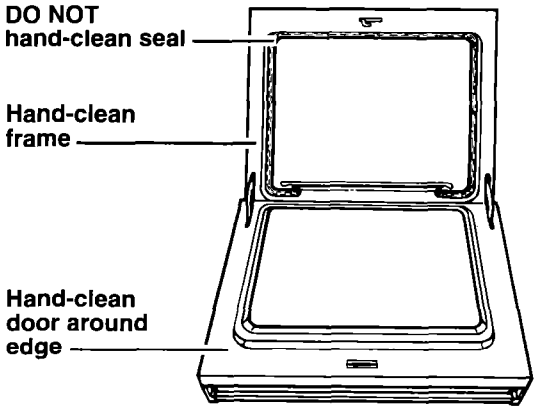


Before you start

Before you start the Self-Cleaning cycle, make sure you:

- **Hand-clean the areas shown.** They do not get hot enough during the cleaning cycle for soil to burn away. **Use** hot water and detergent or a soapy steel-wool pad for cleaning.

  NOTE: DO NOT clean, move or bend the seal. Poor cleaning, baking and roasting may result.



- **Remove the broiler pan grid and any pots and pans** being stored in the oven.

  NOTE: You can clean the broiler pan (without grid) in the oven if you have first removed most of the soil by hand-cleaning or a dishwasher. If most of the soil is not removed, too much smoking will occur. The chrome broiler pan grid will discolor if cleaned in the Self-Cleaning cycle.
- **Wipe out any loose soil or grease.** This will help reduce smoke during the cleaning cycle.
- **Remove the oven racks from the oven if you want them to remain shiny.** You can clean the oven racks in the Self-Cleaning cycle, but they will become harder to slide. (See page 28.) If you clean racks in the Self-Cleaning cycle, place them on the 2nd and 4th rack guides. (Guides are counted from bottom to top.)
- **Heat and odors** are normal during the Self-Cleaning cycle. Keep the kitchen well ventilated by opening a window or by turning on a vent hood or other kitchen vent during the cycle.

⚠WARNING

Personal Injury and Product Damage Hazard

- Do not touch the oven during the Self-Cleaning cycle. It could burn you.
- Do not use commercial oven cleaners in your oven. Cleaners could produce hazardous fumes or damage the porcelain finish.
- Do not leave foil in the oven during the Self-Cleaning cycle. Foil could burn or melt and damage the oven surface.

NOTE: Do not force the Lock Lever. You could bend or break it. The lever is designed to stay locked until the oven is cool enough to safely open. Wait until it moves freely.

Do not block the vent during the Self-Cleaning cycle. Air must move freely for best cleaning results.

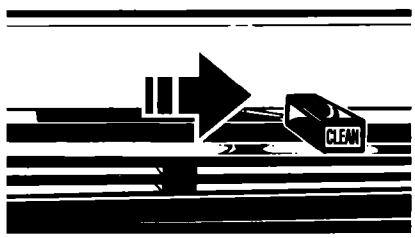
Do not leave plastic utensils near the vent. They may melt.

Setting the controls

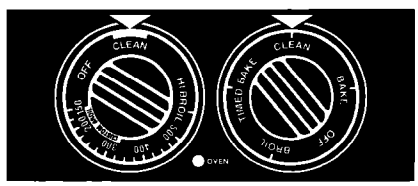
1. **Make sure** the clock has the correct time of day.

2. **Move** the Lock Lever to the right – the Clean position.

   NOTE: A 3-hour Clean Time will automatically appear in the display when you move the Lock Lever to the Clean position.



3. **Set** the Oven Selector and Oven Temperature Control Knob to CLEAN. The OVEN HEATING Indicator Light will come on.



4. **Set cleaning cycle:**

If you want a Clean Time other than three hours, turn the Set Knob until a time between 2-4 hours shows on the display.

- **Use** 2 hours for light soil.
- **Use** 3-4 hours for moderate to heavy soil.

The Self-Cleaning cycle will automatically start 2 seconds after setting the Lock Lever.

To delay the start using Start Time:

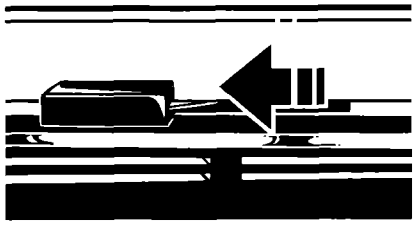
Push the Start Time button. Then **turn** the Set Knob to set the Start Time you want (up to 11 hours, 59 minutes from the current time of day).

If you want a Clean Time other than three hours, turn the Set Knob until a time between 2-4 hours shows on the display.

- **Use** 2 hours for light soil.
- **Use** 3-4 hours for moderate to heavy soil.

The Self-Cleaning cycle will start when the Start Time is reached.

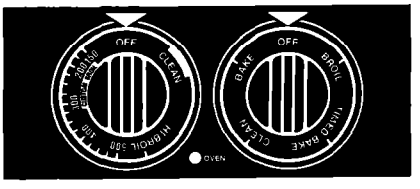
NOTE: You must set the new Clean Time within one minute after setting the Lock Lever or setting a Start Time. If you do not, you must move the Lock Lever back to the left and back to the right again before entering the Clean Time.



5. **When the oven temperature goes above normal baking/roasting temperatures,** the door cannot be opened and the Lock Lever must not be moved.
6. **After the Self-Cleaning cycle is completed and the oven has cooled sufficiently,** the Lock Lever can be moved back to the left. **DO NOT FORCE IT. Wait** until it moves easily. **Turn** the Oven Selector and Oven Temperature Control Knob to OFF.
7. **After the oven is cool, wipe off** any residue or ash with a damp cloth. If needed, **touch up** spots with a soapy steel-wool pad.

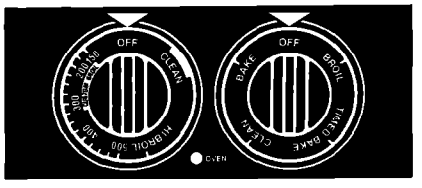
To stop the Self-Cleaning cycle before cycle is completed:

Turn the Oven Selector and Oven Temperature Control Knob to OFF. When the oven has cooled sufficiently, **move** the Lock Lever back to the left. **DO NOT FORCE IT. Wait** until it moves easily.



To cancel the Self-Cleaning cycle before cycle starts:

Turn the Oven Selector and Oven Temperature Control Knob to OFF. **Push** the Start Time button twice. **Move** the Lock Lever back to the left.



Special tips

- **Keep** the kitchen well ventilated during the Self-Cleaning cycle to help get rid of heat, odors and smoke.
- **After the oven is cool,** wipe up any residue or ash with a damp cloth or sponge. If any spots remain, clean with a mild abrasive cleanser or cleaning sponge.
- **Clean** the oven before it gets heavily soiled. Cleaning a very soiled oven takes longer and results in more smoke than usual.
- **If the Self-Cleaning cycle** does not get the oven as clean as you expected, the cycle may not have been set long enough or you may not have prepared the oven properly. **Set** the Self-Cleaning cycle longer the next time and **hand-clean** areas noted on page 21.

Caring For Your Range

In This Section

	Page		Page
Surface units and reflector bowls	25	Cleaning chart	27
Lift-up cooktop	27		

Your range is designed for ease of care. You can do most cleaning with items found around your home. Cleaning your range whenever spills or soiling occurs will help to keep it looking and operating like new.

⚠WARNING

Burn and Electrical Shock Hazard

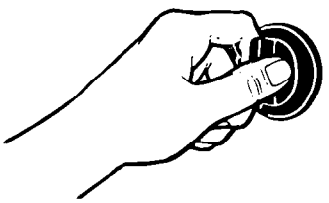
Make sure all controls are OFF and the range is cool before cleaning.

Failure to do so could result in burns or electrical shock.

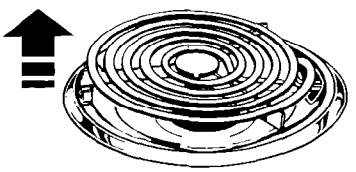
Surface units and reflector bowls

Removing

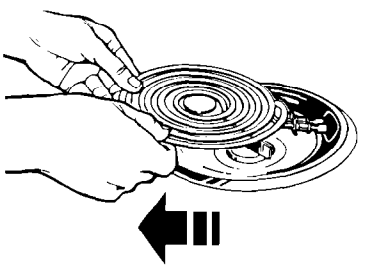
1. **Make sure** all surface units are off and cool before removing surface units and reflector bowls.



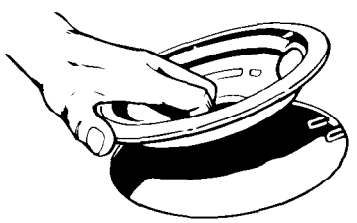
2. **Lift** the edge of the unit, opposite the receptacle, just enough to clear the element hold-down clip and the reflector bowl.



3. **Pull** the surface unit straight away from the receptacle.

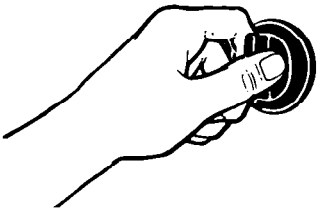


4. **Lift out** the reflector bowl. See "Cleaning chart" on page 28 for cleaning instructions.

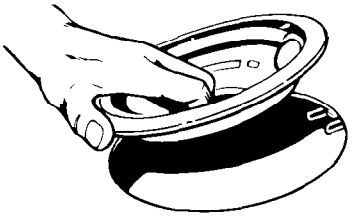


Replacing

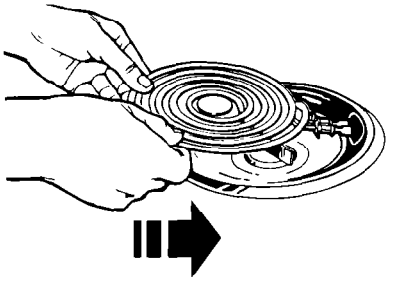
1. **Make sure** all surface units are off and cool before replacing surface units and reflector bowls.



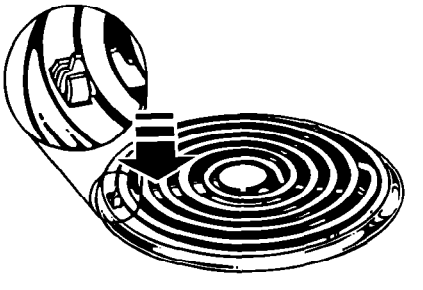
2. **Line up** openings in the reflector bowl with the surface unit receptacle and the element hold-down clip.



3. **Hold** the surface unit as level as possible with the terminal just started into the receptacle. **Push** the surface unit terminal into the receptacle.



4. **When terminal is pushed into the receptacle as far as it will go, push down** the edge of the surface unit opposite the receptacle. The element hold-down clip will keep the surface unit from moving around.

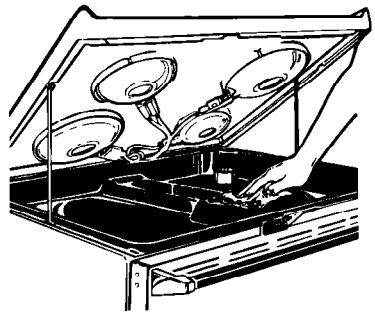


NOTE: Reflector bowls reflect heat back to the utensils on the surface units. They also help catch spills. When they are kept clean, they reflect heat better and look new longer.

If a reflector bowl gets discolored, some of your utensils may not be flat enough, or some may be too large for the surface unit. In either case, some of the heat that's meant to go into or around a utensil goes down and heats the reflector bowl. This extra heat can discolor it.

Lift-up cooktop

1. **Lift** front of cooktop at both front corners until the support rods lock into place.



⚠WARNING

Personal Injury Hazard

Be sure both support rods are fully extended and in the locked position.

Failure to do so could result in personal injury from the cooktop accidentally falling.

Product Damage Hazard

Do not drop the cooktop. Damage could result to the porcelain and the cooktop frame.

2. **Wipe** with warm, soapy water. **Use** a soapy steel-wool pad on heavily soiled areas.
3. **To lower the cooktop, lift** cooktop from both sides while pressing the support rods back to unlock them. **Lower** the cooktop into place.

Cleaning chart

Use the following table to help you clean all parts of your range.

PART	WHAT TO USE	HOW TO CLEAN
Control knobs	Sponge and warm, soapy water	• Turn knobs to OFF and pull straight away from control panel. • Wash, rinse and dry thoroughly. Do not soak. • **Do not use steel wool or abrasive cleansers. They may damage the finish of the knobs.** • Replace knobs. Make sure all knobs point to OFF.
Control panel	Sponge and warm, soapy water **OR** Paper towel and spray glass cleaner	• Wash, rinse and dry thoroughly. • **Do not use steel wool or abrasive cleansers. They may damage the finish.** • Do not spray cleaner directly on panel. Apply cleaner to paper towel.

continued on next page

PART	WHAT TO USE	HOW TO CLEAN
Exterior surfaces (other than control panel)	Sponge and warm, soapy water	• Wash, rinse and dry thoroughly. • Use nonabrasive, plastic scrubbing pad on heavily soiled areas. • **Do not use abrasive or harsh cleansers. They may damage the finish.** **NOTE:** Do not allow foods containing acids (such as vinegar, tomato or lemon juice) to remain on surface. Acids may remove the glossy finish. Also wipe up milk or egg spills when cooktop is cool.
Surface units	No cleaning required	• Spatters or spills will burn off. • **Do not immerse in water.**
Chrome reflector bowls	Warm, soapy water and a nonabrasive, plastic scrubbing pad	• Wash, rinse and dry thoroughly. • Clean frequently. • **Do not use abrasive or harsh cleansers.** • **Do not place in Self-Cleaning oven.**
Broiler pan and grid (clean after each use)	Steel-wool pad and warm, soapy water	• Wash, rinse and dry thoroughly. • **Do not clean in Self-Cleaning cycle.** (See note on page 22.)
Oven racks	Steel-wool pad and warm, soapy water **OR** The Self-Cleaning cycle	• Wash, rinse and dry thoroughly. **OR** • Leave in oven during Self-Cleaning cycle. **NOTE:** Racks will permanently discolor and become harder to slide if left in oven during Self-Cleaning cycle. Apply a small amount of vegetable oil to the side rungs to aid sliding.
Oven door glass	Paper towel and spray glass cleaner **OR** Warm, soapy water and a nonabrasive, plastic scrubbing pad	• Make sure oven is cool. • Follow directions provided with the cleaner. • Wash, rinse and dry thoroughly.
Oven cavity	Self-Cleaning cycle	• See "Using The Self-Cleaning Cycle" on pages 21-24.

If You Need Assistance Or Service

This section is designed to help you save the cost of a service call. Part 1 of this section outlines possible problems, their causes, and actions you can take to solve each problem. Parts 2 and 3 tell you what to do if you still need assistance or service. When calling our toll-free telephone number for help or calling for service, please provide a detailed description of the problem, your appliance's complete model and serial numbers and the purchase date. (See page 2.) This information will help us respond properly to your request.

1. Before calling for assistance ...

Performance problems often result from little things you can find and fix without tools of any kind. Please check the chart below for problems you can fix. It could save you the cost of a service call.

PROBLEM	POSSIBLE CAUSE	SOLUTION
Nothing will operate	The power cord is not plugged into a live circuit with proper voltage.	Plug the power cord into a live circuit with proper voltage. (See Installation Instructions.)
	A household fuse has blown or a circuit breaker has tripped.	Replace household fuse or reset circuit breaker.
The oven will not operate	You have not turned the Oven Selector to BAKE or BROIL.	Turn the Oven Selector to the desired setting.
	You have set a delayed start time.	Wait for the start time to be reached.
	You have not turned the Oven Temperature Control Knob to a temperature setting.	Turn the Oven Temperature Control Knob to a temperature setting.
	You have not set the MEALTIMER clock correctly.	Set the MEALTIMER clock correctly. (See "Using the MEALTIMER™ clock" on page 16.)
The surface units will not operate	A household fuse has blown or a circuit breaker has tripped.	Replace household fuse or reset circuit breaker.
	You have not plugged in surface units all the way.	Plug surface units in all the way. (See "Replacing" on page 26.)
	You are not setting the control knobs correctly.	Push control knobs in before turning to a setting.
Control knob(s) will not turn	You are not pushing in before turning.	Push control knob(s) in before turning to a setting.

continued on next page

PROBLEM	POSSIBLE CAUSE	SOLUTION
The Self-Cleaning cycle will not operate	You have not set the Oven Selector and Oven Temperature Control Knob to CLEAN.	Set the Oven Selector and Oven Temperature Control Knob to CLEAN.
	The range clock does not show the correct time of day.	Reset clock to show the correct time of day. (See page 10.)
	The Lock Lever is not in the Clean position – all the way to the right.	Move Lock Lever all the way to the right.
	A delayed start time has been programmed.	Wait for the start time to be reached.
Cooking results are not what you expected	The range is not level.	Level range. (See Installation Instructions.)
	The oven temperature seems too low or too high.	Adjust the oven temperature control. (See "Adjusting the oven temperature control" on page 13.)
	You have not preheated the oven as the recipe calls for.	Preheat oven if called for in recipe.
	The recipe has never been tested or is not from a reliable source.	Use only tested recipes from a reliable source.
	The pans are not the type or size recommended in the recipe.	Refer to a reliable cookbook for recommended pan type and size.
	There is not proper air circulation around pan when baking.	Allow 1½ to 2 inches (4-5 cm) on all sides of the pans for air circulation. There must be a minimum space of 1 inch (2.5 cm).
	The cooking utensils are not the proper shape or do not fit the surface units being used.	Use cooking utensils with smooth, flat bottoms that fit the surface units being used.

2. If you need assistance ...

Call our toll-free telephone number.
Dial free from anywhere in the U.S.:
1-800-44-ROPER
(1-800-447-6737)
and talk with one of our trained consultants. The consultant can instruct you in how to obtain satisfactory operation from your appliance or, if service is necessary, recommend a qualified service company in your area.

For further information, write to:

Mr. William Clark
Consumer Assistance Representative
Roper Brand Appliances
2000 M-63
Benton Harbor, MI 49022

Please include a daytime phone number in your correspondence.

3. If you need service ...

Contact the dealer from whom you purchased the appliance or the authorized servicer in your area. For help finding an authorized servicer in your area, call our toll-free telephone number in Step 2.

4. If you are not satisfied with how the problem was solved ...

- Contact the Major Appliance Consumer Action Panel (MACAP). MACAP is a group of independent consumer experts that voices consumer views at the highest levels of the major appliance industry.
- Contact MACAP only when the dealer, authorized servicer and Roper Brand Appliance warrantor have failed to resolve your problem.

  Major Appliance Consumer Action Panel
  20 North Wacker Drive
  Chicago, IL 60606
- MACAP will in turn inform us of your action.

ROPER®
Electric Range Warranty

LENGTH OF WARRANTY	WE WILL PAY FOR
FULL ONE-YEAR WARRANTY (from date of purchase)	Replacement parts and repair labor to correct defects in materials or workmanship. Service must be provided by an authorized Roper service company.

WE WILL NOT PAY FOR

A. Service calls to:

1. Correct the installation of your range.
2. Instruct you how to use your range.
3. Replace house fuses or correct house wiring.
4. Replace owner accessible light bulbs.

B. Repairs when your range is used in other than normal, single-family household use.

C. Pickup and delivery. Your range is designed to be repaired in the home.

D. Damage to your range caused by accident, misuse, fire, flood, acts of God, or use of products not approved by us.

E. Repairs to parts or systems caused by unauthorized modifications made to the appliance.

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This Roper appliance is warranted by Whirlpool Corporation. Under no circumstances shall it be liable under this warranty for incidental or consequential damages and all implied warranties are limited to the same time period stated in the express warranties for Roper Brand Appliances. Some states do not allow the exclusion or limitation of incidental or consequential damages, so this limitation or exclusion may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Outside the United States, a different warranty may apply. For details, please contact your authorized Roper distributor or military exchange.

If you need service, first see the "Assistance or Service" section of this book. After checking "Assistance or Service," additional help can be found by calling our toll-free telephone number, **1-800-44-ROPER (1-800-447-6737),** from anywhere in the U.S.

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